

What is claimed is:

1. A motor,
comprising:
a stator including a base plate, a circuit board provided on the base plate,
and a ring-shaped stator core provided on the same and having stator magnetic poles, which are radially outwardly extended from the stator core and on which coils are respectively formed; and
an outer rotor being rotatably provided on the base plate and having rotor magnets, which face the stator magnetic poles,
wherein the stator core comprises a main core and a sub-core,
the main core is constituted by piling a plurality of first core plates, which respectively have first extended pole sections of the same number, and
the sub-core is provided on the base plate side of the main core and constituted by at least one second core plate, which has second extended pole sections whose number is less than that of the first extended pole sections of each of the first core plates.
2. The motor according to claim 1,
wherein the second extended pole sections of the second core plate are symmetrically arranged with respect to a center line passing one of the stator magnetic poles of the stator core.
3. The motor according to claim 1,
wherein the base plate has a plurality of through-holes for ventilation, the through-holes are arranged in the circumferential direction with regular separations, and
the second extended pole sections of the second core plate corresponds to the through-holes.

4. The motor according to claim 3,

wherein the second extended pole sections of the second core plate are symmetrically arranged with respect to a center line passing one of the stator magnetic poles of the stator core.